Restoring Socioecological Integrity in Mannion Bay, Bowen Island

July 4, 2018
History

- First Nations historical use
- Once a thriving recreational area
Mannion Bay, Summer 1994

BOWEN ISLAND Municipality
History

A Familiar Cycle

BOWEN ISLAND Municipality
History

A Familiar Cycle
History
History
History
Data Collection

Unoccupied & Recreational Vessels

BOWEN ISLAND Municipality
Mannion Bay Survey Results: Liveaboard Presence in Summer vs. Winter
Data Collection

Mannion Bay Mooring Buoys and Boats
Fall 2013

Mannion Bay Mooring Buoys and Boats
Fall 2016
Data Collection

Mooring Buoys

BOWEN ISLAND Municipality
Action and Improvements

EELGRASS
A Vital Marine Nursery

Take care of the nursery
- Keep anchors out of the eelgrass
- Keep pollutants out of the water
- Anchor docks away from eelgrass

BOWEN ISLAND Municipality
Action and Improvements
Action and Improvements
Restoration Costs

From 2013 to 2017 (inclusive)
• $80,000 – BIM
• $30,000 – Transport Canada
• RCMP, Province of BC, Coast Guard – staff resources and other incurred costs
• Social and environmental costs (not quantified)
Restorative Steps

Provincial Tenure

- Licence of Occupation obtained in late 2016
- As of January 2018, all mooring buoys in Mannion Bay are subject to a nominal annual fee (e.g. $240/year)
- Owners of unoccupied and recreational vessels mooring in the Bay for greater than 48 hours in a 30 day period are required to provide Bowen Island Municipality (BIM) with proof of insurance, name, phone number, address and email address to BIM.
Restorative Steps

• Adoption of Bowen Island Municipality (BIM) Use of Beaches and Water Areas Bylaw 418, 2016

• Stakeholder meeting April 2017

• BIM communication materials developed
Current Activities
Current Activities

Enforcement strategy related to Bowen Island Municipality Use of Beaches and Water Areas Bylaw 418, 2016 has been developed and is currently being implemented.

Licence of Occupation provisions that include obtaining proof of vessel insurance and contact information from each boat owner are being “enforced”.

A fees and charges bylaw that includes a fee of $240 per year for each mooring buoy in Mannion Bay was recently adopted by Council and implementation is underway.

Amendments to Bowen Island Municipality Land Use Bylaw No. 57, 2002 to limit the use of mooring buoys in Mannion Bay are being considered.
Thanks for Listening